Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A micro mirror comprising:

a mirror plate having an upper surface and a lower surface defining a mirror plate thickness;

a ~~spacer support frame;~~ frame coupled to the mirror plate, wherein the frame comprises a wall portion characterized by a wall height greater than the mirror plate thickness; and

a hinge connected to the ~~spacer support~~ frame and the mirror plate for allowing the mirror plate to rotate relative to the ~~spacer support~~ frame about an axis defined by the hinge~~; and~~, wherein each of the mirror plate, the ~~spacer support~~ frame, and the hinge are fabricated from a single continuous piece of material.

2. (Original) The micro mirror of claim 1, wherein the material is single crystal silicon.

3. (Original) The micro mirror of claim 1, wherein the hinge is a vertically oriented torsion spring.

4. (Original) The micro mirror of claim 1, wherein the mirror plate has a reflective top surface.

5. (Original) The micro mirror of claim 1, further comprising a reflective layer on top of the plate.

6. (Currently Amended) The micro mirror of claim 1, wherein the ~~spacer support frame includes walls, the walls having,~~ wall portion of the frame has a ~~thickness~~ width of about 1 micron or less.

7. (Currently Amended) The micro mirror of claim 1, further comprising a mechanical stop for stopping rotation of the mirror plate relative to the ~~spacer~~ frame when the mirror plate has rotated to a predetermined angle.

8. - 9. Canceled

10. (Currently Amended) The ~~array~~ spatial light modulator of ~~claim 9~~ claim 17, wherein the upper surfaces of the mirror plates are polished to reflect light.

11. (Currently Amended) The ~~array~~ spatial light modulator of ~~claim 9~~ claim 17, wherein a reflective layer is deposited on each upper surface of the mirror plates for reflecting light.

12. (Currently Amended) The ~~array~~ spatial light modulator of ~~claim 8~~ claim 17, further comprising a control substrate connected to the spacer support frame and having at least one electrode corresponding to each of the ~~plurality of~~ mirror plates for receiving a voltage to controllably deflect the mirror plate of the micro-mirror.

13. (Currently Amended) The ~~array~~ spatial light modulator of claim 12, wherein the hinge divides the mirror plate into a first part and a second part, such that when the first part of the mirror plate moves toward the control substrate as the mirror plate rotates about the axis defined by the hinge, the second part of the mirror plate moves away from the control substrate.

14. (Currently Amended) The ~~array~~ spatial light modulator of claim 12, wherein the control substrate further comprises addressing and control circuitry for selectively applying voltages to the ~~plurality of electrodes~~ at least one electrode to selectively controllably deflect the mirror ~~plates in the array~~ plate of the micro-mirror.

15. (Currently Amended) The ~~array~~ spatial light modulator of ~~claim 8~~ claim 17, wherein the surfaces of the mirror plates in the micro-mirror array make up at least 85% of the surface area of the array.

16. (Currently Amended) The ~~array~~ spatial light modulator of ~~claim 8~~ claim 15, wherein the surfaces of the mirror plates in the micro-mirror array make up at least 90% of the surface area of the array.

17. (Currently Amended) A spatial light modulator, comprising:

a plurality of micro-mirrors in an array, each micro-mirror in the array having at least one mirror plate with an upper surface and a lower surface defining a mirror plate thickness and having at least one hinge connected to the at least one mirror plate of that micro-mirror for allowing that mirror plate to rotate; and

a support frame with a plurality of support walls characterized by a wall height greater than the mirror plate thickness, each hinge connected to at least one support wall, for supporting the hinge and the mirror plate and separating each mirror plate from a ~~second~~ substrate connected to the support frame~~; and,~~ wherein the mirror plates, the support frame, and the hinges are fabricated from a single continuous piece of material.

18. (Previously Presented) The spatial light modulator of claim 17, wherein there is a gap of 0.2 microns or less between an edge of the upper surface of the mirror plate and a support wall of the support frame.

19. (Previously Presented) The spatial light modulator of claim 17, wherein the upper surfaces of the mirror plates are substantially rectangular in shape.

20. (Previously Presented) The spatial light modulator of claim 19, wherein the upper surfaces of the mirror plates have an area of approximately 225 square microns.